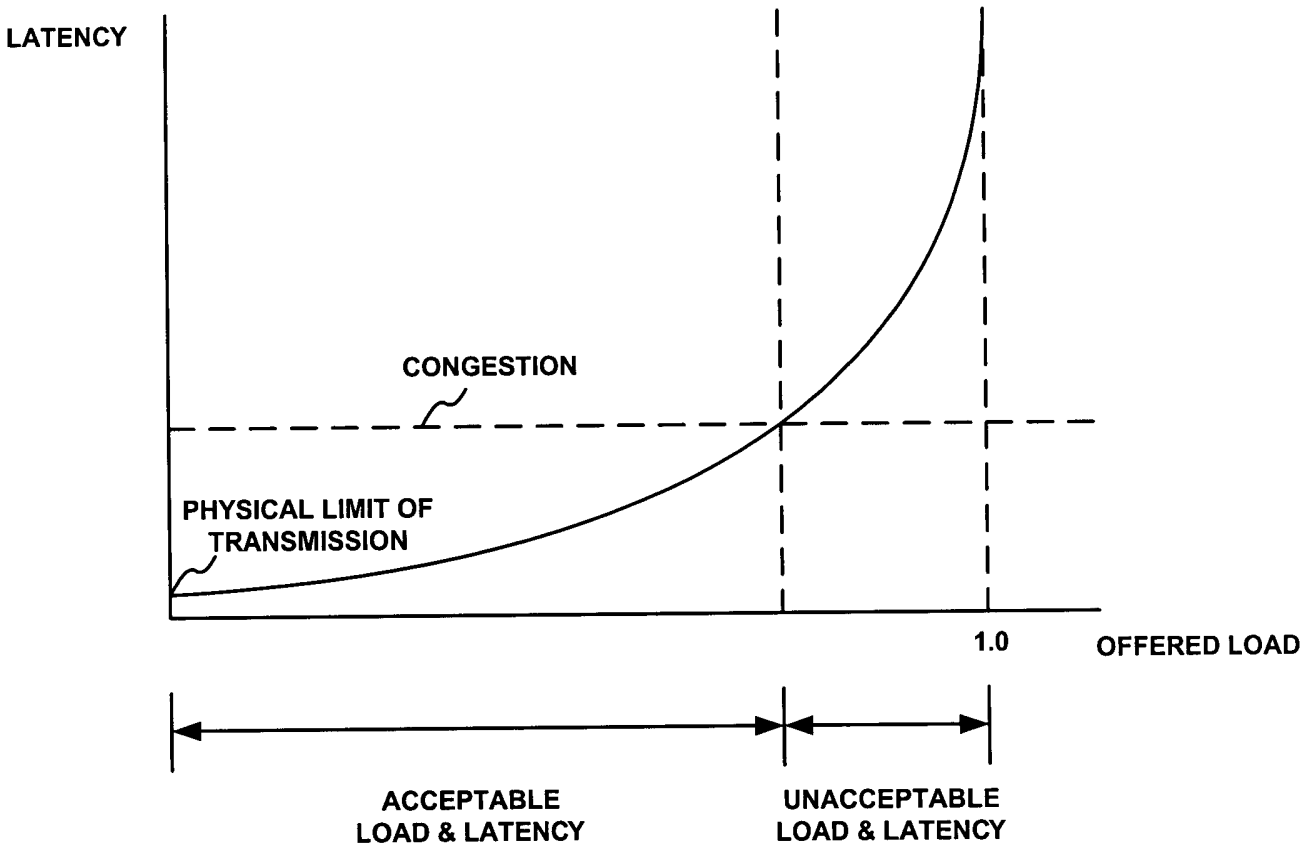

LATENCY
CONGESTION
PHYSICAL LIMIT OF TRANSMISSION
1.0
OFFERED LOAD
ACCEPTABLE LOAD & LATENCY
UNACCEPTABLE LOAD & LATENCY

Fig. 1

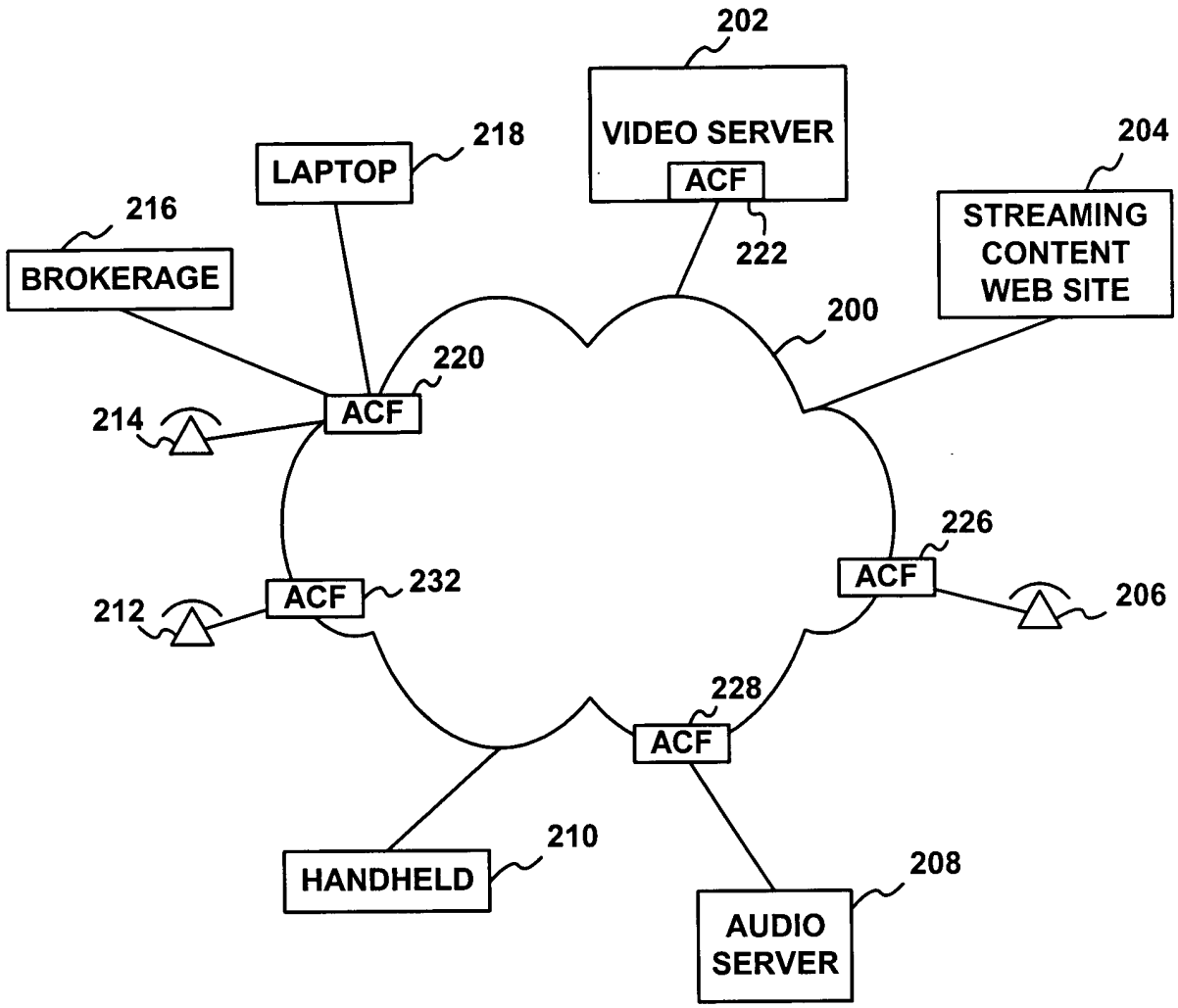

202
VIDEO SERVER
ACF
222
218
LAPTOP
204
STREAMING CONTENT WEB SITE
216
BROKERAGE
200
220
ACF
214
226
ACF
206
232
ACF
212
228
ACF
210
HANDHELD
208
AUDIO SERVER

Fig. 2

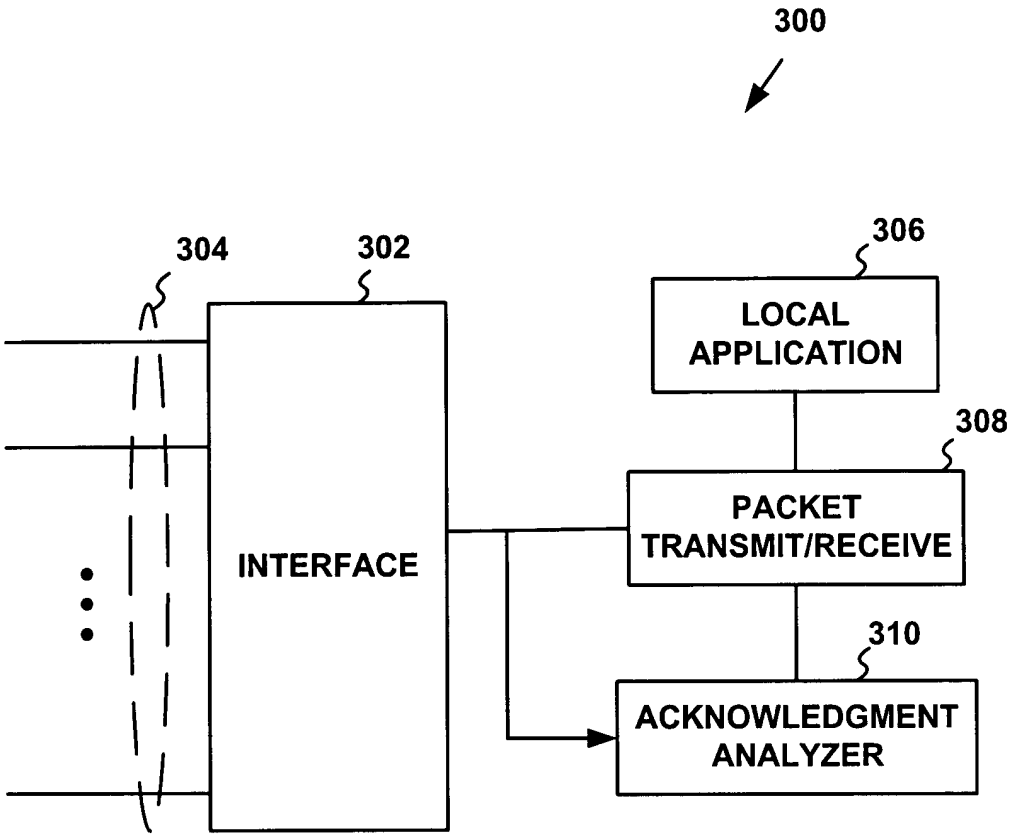
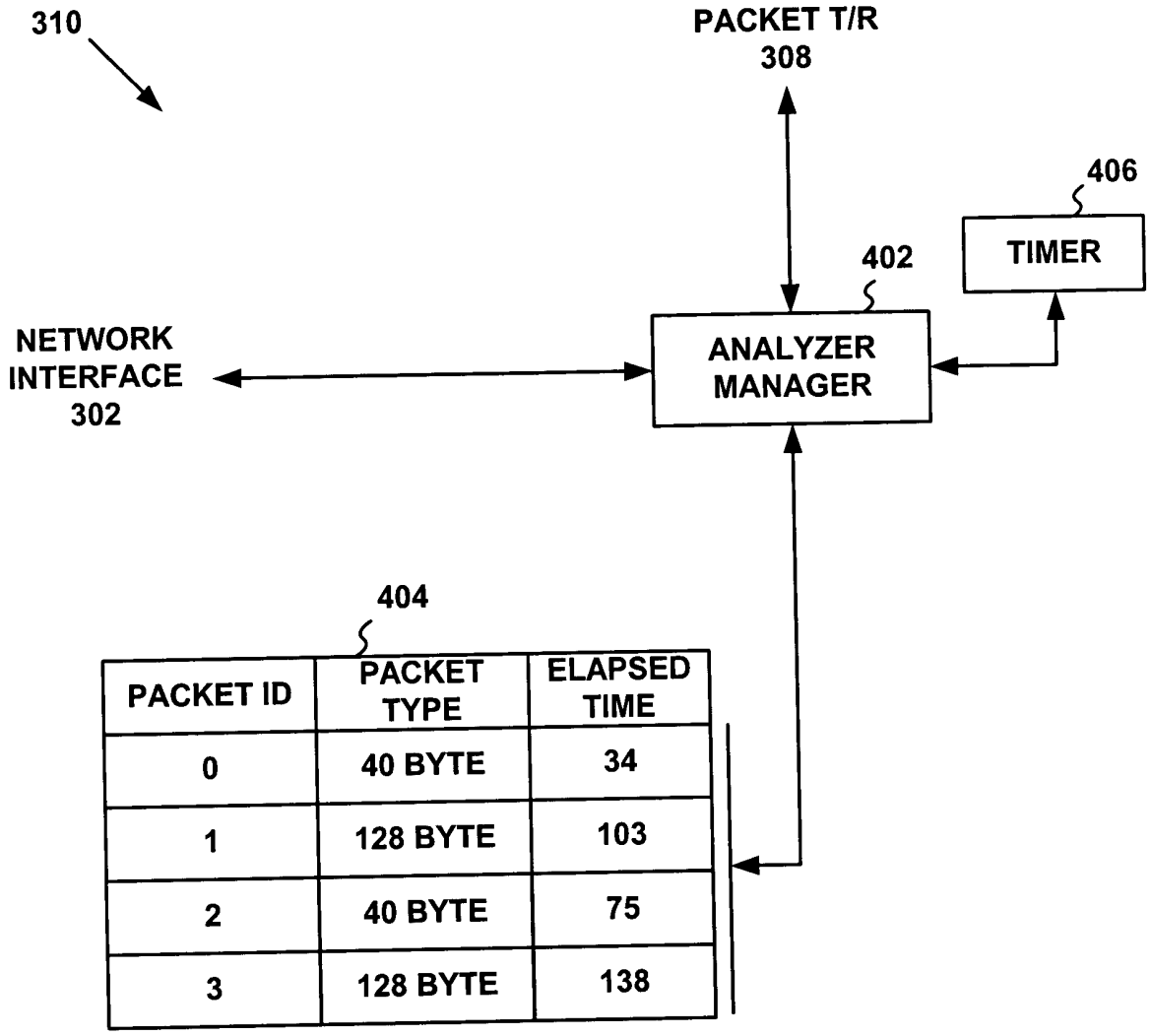

300
304
302
306
LOCAL APPLICATION
308
PACKET TRANSMIT/RECEIVE
INTERFACE
310
ACKNOWLEDGMENT ANALYZER

Fig. 3



PACKET ID	PACKET TYPE	ELAPSED TIME
0	40 BYTE	34
1	128 BYTE	103
2	40 BYTE	75
3	128 BYTE	138

Fig. 4

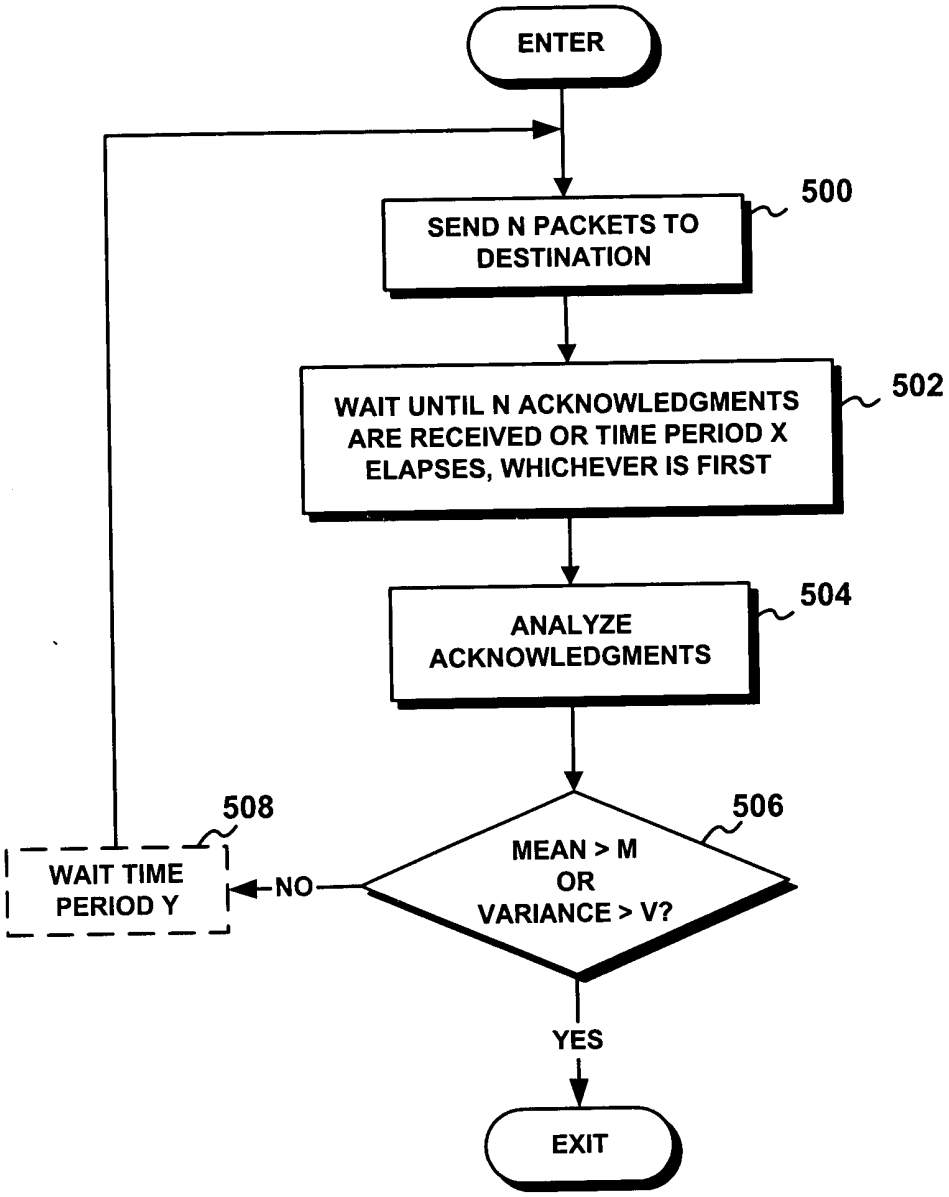

ENTER
SEND N PACKETS TO DESTINATION
500
WAIT UNTIL N ACKNOWLEDGMENTS ARE RECEIVED OR TIME PERIOD X ELAPSES, WHICHEVER IS FIRST
502
ANALYZE ACKNOWLEDGMENTS
504
MEAN > M OR VARIANCE > V?
506
NO
WAIT TIME PERIOD Y
508
YES
EXIT

Fig. 5

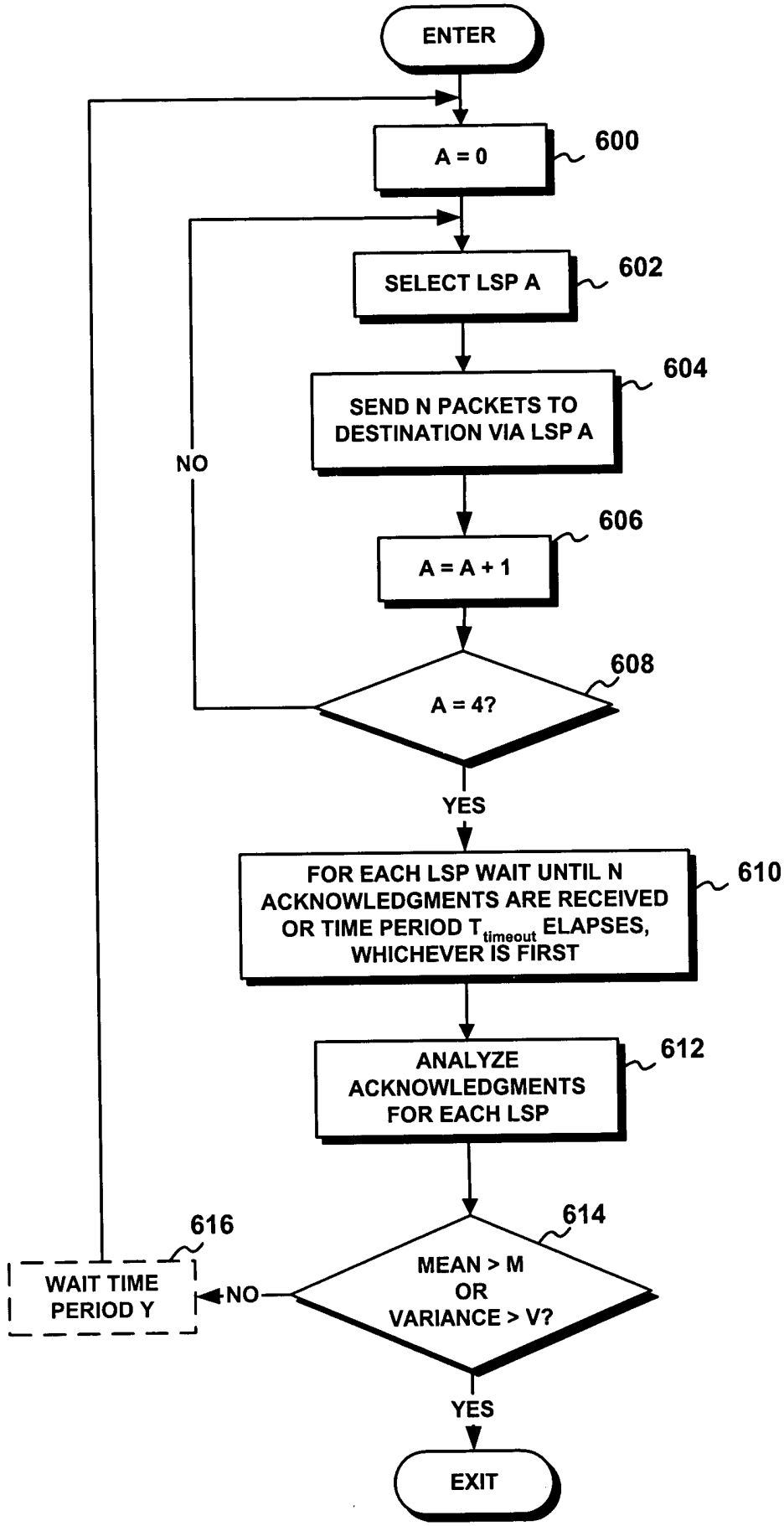

ENTER
A = 0
600
SELECT LSP A
602
SEND N PACKETS TO DESTINATION VIA LSP A
604
NO
A = A + 1
606
A = 4?
608
YES
FOR EACH LSP WAIT UNTIL N ACKNOWLEDGMENTS ARE RECEIVED OR TIME PERIOD $T_{timeout}$ ELAPSES, WHICHEVER IS FIRST
610
ANALYZE ACKNOWLEDGMENTS FOR EACH LSP
612
MEAN > M OR VARIANCE > V?
614
NO
WAIT TIME PERIOD Y
616
YES
EXIT

Fig. 6